

**SITE SPECIFIC RECOMBINASE-BASED METHODS FOR PRODUCING
INTRON CONTAINING VECTORS AND COMPOSITIONS FOR USE IN
PRACTICING THE SAME**

5

ABSTRACT OF THE DISCLOSURE

Methods are provided for producing a vector that includes at least one splicable intron. In the subject methods, intron containing vectors are produced from donor and acceptor vectors that each include a site specific recombinase site, where the subject donor and acceptor vectors further include splice donor and acceptor sites that, upon site specific recombination of the donor and acceptor vectors, define an intron in the product vector of the recombination step. Also provided are compositions for use in practicing the subject methods, including the donor and acceptor vectors themselves, as well as systems and kits that include the same. The subject invention finds use in a variety of different applications, including the production of expression vectors that encode C-terminal tagged fusion proteins, the production of expression vectors that encode pure protein and not a fusion thereof, and the like.

20